

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number  
**WO 2004/017742 A1**

(51) International Patent Classification<sup>7</sup>: **A23C 9/00**,  
19/086, B65B 1/00

(21) International Application Number:  
PCT/NZ2003/000189

(22) International Filing Date: 26 August 2003 (26.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
520994 26 August 2002 (26.08.2002) NZ

(71) Applicant (for all designated States except US): **NEW ZEALAND DAIRY BOARD** [NZ/NZ]; Pastoral House, 25 The Terrace, P O Box 417, Wellington (NZ).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BELL, Craig** [NZ/BR]; Rua Conselheiro Zacarias 506, Jardim Paulista, Sao Paulo SP, Brazil CEP 01429-020 (BR).

(74) Agents: **GRIFFITHS, Teresa, V. et al.**; A J Park, 6th Floor Huddart Parker Building, Post Office Square, PO Box 949, 6015 Wellington (NZ).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: Pre-mix formulations comprising ingredients for dairy products

(57) **Abstract:** Ingredients and methods of using ingredients to produce dairy based food products. The ingredients may include milk protein concentrate, fat containing powders and other compounds including sweetening agents, flavours, preservatives, salts and emulsifiers. Food products that can be made according to the invention include yoghurt, cheese, cheese spreads, sweet spreads, nutrition bars, cream cheese, dairy desserts and sour cream.

WO 2004/017742 A1